

Title (en)  
Pulverized coal combustion method.

Title (de)  
Verfahren zur Verbrennung von Kohlenstaub.

Title (fr)  
Procédé de combustion de charbon pulvérisé.

Publication  
**EP 0385499 B1 19931118 (EN)**

Application  
**EP 90104110 A 19900302**

Priority  
JP 4987489 A 19890303

Abstract (en)  
[origin: EP0385499A2] The method including the steps of separating pulverized coal mixture gas (2) ejected from a vertical type coal grinder containing a rotary type classifier (1) therein into thick mixture gas (4) and thin mixture gas (5) by means of a distributor (3), and injecting these thick and thin mixture gases respectively through separate burner injecting ports (6,7) into a same furnace (8) to make them burn, is improved so as to reduce both an unburnt fuel content in ash and a nitrogen oxide concentration in exhaust gas while maintaining excellent ignition characteristic. The improvements reside in that an air-to-fuel ratio of the thick mixture gas is chosen at 1 - 2, while an air-to-fuel ratio of the thin mixture gas is chosen at 3 - 6, and the range of a degree of pulverization of the pulverized coal is regulated at 100 mesh residue 1.5% or less. The degree of pulverization of the pulverized coal fed to the distributor is regulated either by adjusting a rotational speed of the rotary type classifier (65) or by adjusting the angles formed between classifying vanes (75) rotating about the axis of the rotary type classifier and the direction of rotation.

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